



ings

from the RCA VideoComp
800 Series
the system that does it all—
and all in one system

This is high speed computer printout

COWL & WINDSHIELD

2-DOOR SEDAN

1	Cowl panel, upper, 1969	20.30	
1	1970	20.30	
2	side lower	5.20	# 1.6
3	vent duct, side	13.95	11.5
4	finger pillar	43.65	18.6
5	reinforcement to rocker	4.95	
6	brace to duct	1.60	
6	rain gutter ext.	6.25	2
6	Corona	4.16	2
7	Ventilator grill	9.90	3
7	Windshield frame, header	14.50	11.8
	glass installation kit	7.75	
	glass, clear	101.75	12.5
	lited	191.85	
	W6671 clear	102.45	12.5
	lited	121.85	
8	Moulding, reveal, upper	3.30	2
9	lower R.L.	5.90	4
9	side	2.85	2
	garnish, upper	1.90	
	side	7.45	
	upper and, 1969	2.95	
	1970	3.10	
	padding, 1969	2.70	
	1970	3.05	
	Door, glove compartment	6.60	2
	repeat	6.60	2
	70	7.76	2
	Corona	7.45	2
	Mirror, inside	6.45	2
	support, exc.	5.10	2
	Corona	2.70	2
	2.40	2	

2-DOOR HARD TOP SEE 2-DOOR SEDAN EAC.

4	finger pillar	43.65	18.6
		4.25	5
		2.35	3
		2.12	3
		3.90	2
		95.35	12.5
		113.10	
		95.95	12.5
		113.85	
		1.30	2
		2.85	2
		4.40	
		12.75	2
		5.10	2
		4.80	2

		43.95	18.6
		8.10	2
		8.10	2
		2.80	3
		2.10	2
		98.85	12.5
		113.85	
		95.95	12.5
		113.85	

17	Moulding, header	21.85	1.6
17	upper, 1969	15.00	2
17	1970	15.00	2
17	lower, upper	6.20	2
14	lower R.L.	2.85	2
15	side	7.05	
	garnish, upper	6.90	
	side	4.35	
	Mirror, support	5.10	2
	Victor bracket	2.70	2

4 After frame is removed
1 After side panel is removed
1 After side panel is removed and cut at windshield opening
1 After side panel is removed
1 After side panel is removed and cut at windshield opening
1 After side panel is removed and cut at windshield opening
1 After side panel is removed and cut at windshield opening

2-DOOR SC.

16	Rear panel		
17	Rail, side outer		
18	inner		
19	Rail gutter		
20	chrome cover		
	Back window installation kit	43.35	
	glass, clear	47.85	
	lited	50.65	
	83441, clear	55.80	
	lited	53.30	
	moulding, reveal, upper	4.25	
	lower	3.20	
	side		

2-DOOR HAWK HARD TOP

21	Rear panel	60.40	
22	Rail, side outer		
28	inner		
26	Rail gutter		
25	chrome cover		
	Weatherstrip over door & qtr		
	retainer		
	Cover, fabric, 1969		
	1970		
	retainer		
	Moulding, inside side		
	Back window installation kit		
	glass, clear		
	lited		
	83475, clear		
	lited		
	moulding, reveal, upper		
	lower R.L.		
	side		
	garnish, upper R.L.		
	lower		

2-DOOR SPECTRA HARD TOP

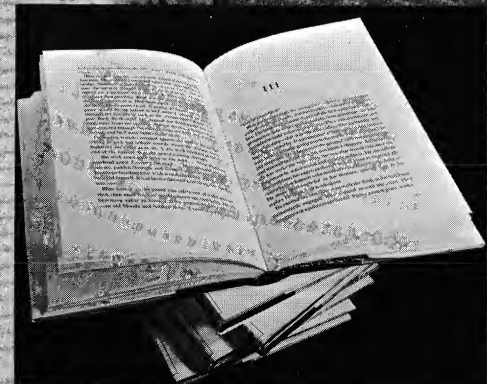
	Rear panel		
	Rail, side outer		
	inner		
	Rail gutter		
	chrome cover		
26	with rear		
27	Weatherstrip over door & qtr		
	retainer		
	Cover, fabric		
	retainer, front		
	rear		
28	Endcap		
	Moulding, inside side		
	with rear		
	Back window installation kit		
	glass, clear		
	lited		
	83691, clear		
	lited		
	moulding, reveal, upper R.L.		
	lower		
	side		
	garnish, upper		
	lower		
	side		

GLASS PANEL 4.5

1 After roof panel is removed
1 After roof panel is removed
1 After roof panel is removed

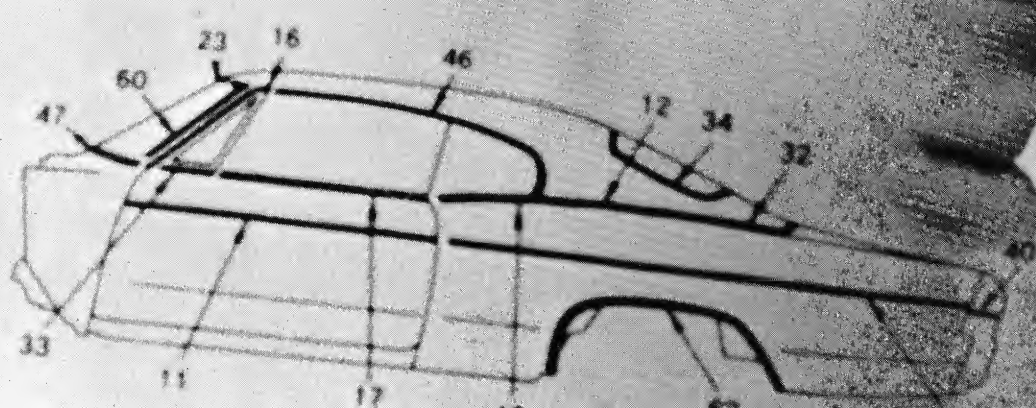
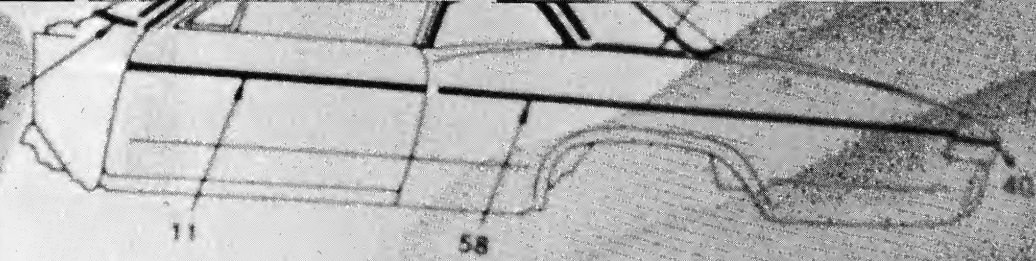
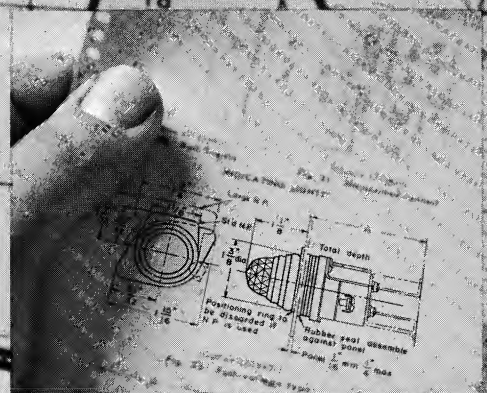
FOLDING TOP

	Upper and back bottom, 1969	76.15	# 1
	1970	76.15	# 1
	Back window & glass	60.40	# 1
	Rail, front lower	6.90	
	chrome, middle R.L.	26.70	
	side, 1969	17.10	
	1970	17.10	





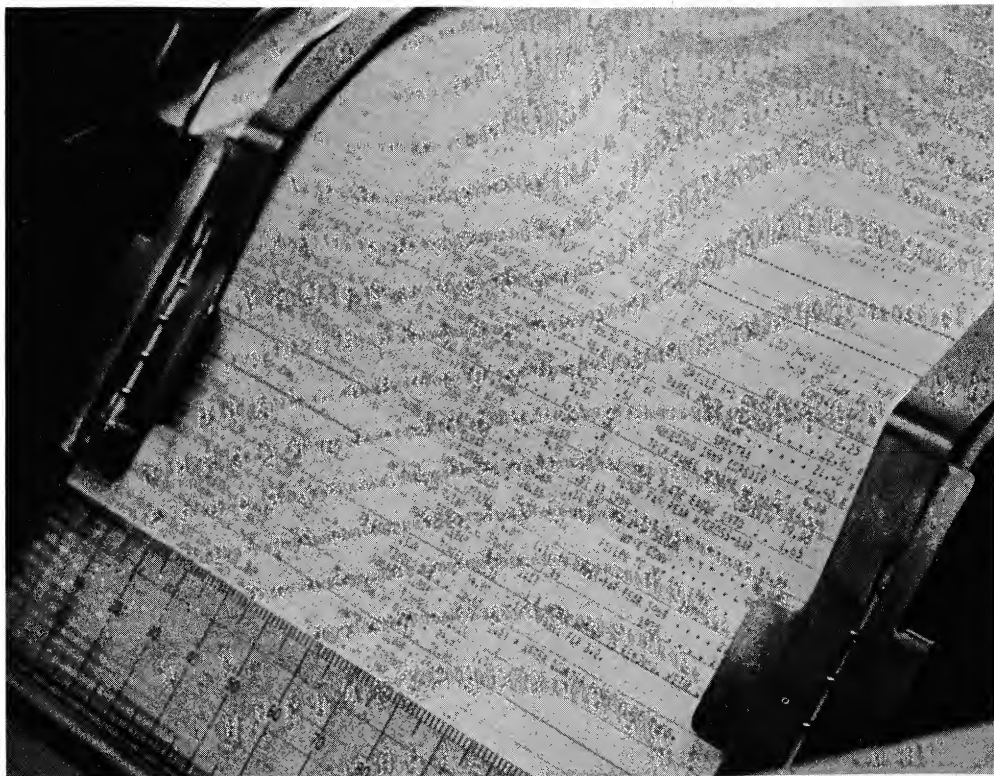
INDICATIONS
Lower 48
Fig. 21
Positioning ring to be discarded if N.P. is used
Fig. 22
Rubber seal assembly
Fig. 23
Exhaust valve type



computer-
information
composed any way
you need it.



**If information
is one of your
problems
you're typical**



Every business is in it. This information business. Technical documentation, directories, illustrated parts lists, catalogs, manuals, brochures, proposals—essential business communications.

It's the information glut—essential but expensive. And computers are adding to it—spewing line after countless gray line of glorified teletypewriter print. Much of this information is needed by your engineers, salesmen, marketing managers, service and publications departments and by your

customers. Because of their form (or rather the lack of form), the current breed of printer outputs don't make computers graphic communicators. Never did. Never will.

**VideoComp
may be your
solution**



VideoComp is a graphic arts quality electronic composition system that uses standard computer inputs to: Set type in a limitless variety of styles and sizes. "Write" sharp, clear line drawings correctly sized and positioned with text.

And produce a fully composed page in seconds, true-size or directly on microfilm. With VideoComp, individual pages can be ready for publication in seconds, complete with headlines, text, line drawings—even your company signature—in correct position automatically as a by-product of normal computer operation.

VideoComp a new means of communication

The VideoComp is just that—a new means of communication. Not a new medium, certainly; the printed word is the most pervasive and most permanent media there is in civilized society. But VideoComp is definitely a new means of communication that uses the computer's own great powers of logic, memory, and manipulation to help solve the information-glut.

Until electronic composition came along in

1966 with the introduction of the VideoComp 70/820 System—the first commercial electronic typesetter available in the United States—the only way of getting words on paper was to move something solid—like a piece of lead, or a printer drum.

But there are problems if you have to move something solid.

If you move lead around you can get high quality composition—and no speed.

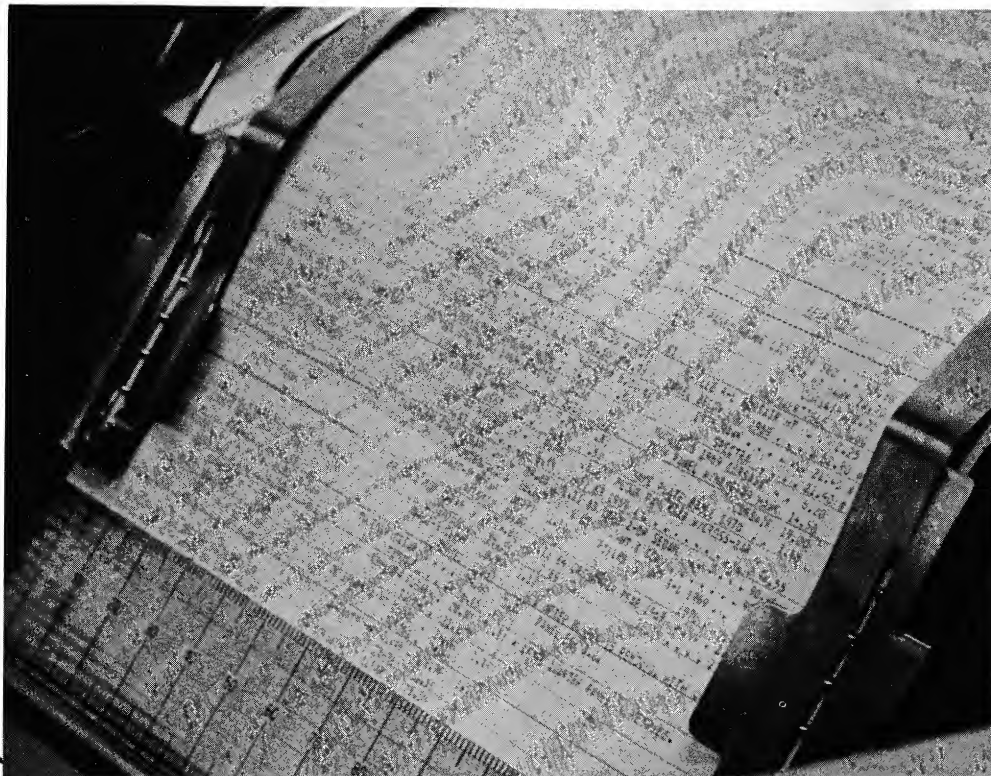
Moving a high speed printer drum gives you pretty fair speed—and very little quality.

VideoComp changed this because in this system only electrons—not metal—are stored and moved.

We found that electrons are handy things to set type with. they're small they're speed-of-light fast and you can arrange them almost any way you like.

VideoComp electronic typesetters gained immediate acceptance in the Graphic Arts and today are routinely producing hundreds of thousands of pages of composition ranging from textbooks to encyclopedias to directories. But typesetting only solves part of the problem of recording information in the form most people expect and, today, the VideoComp does much more.

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you're typical**



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Proven hardware

You can start with a basic 800 Series VideoComp. It sets graphic arts quality type from 4 to 96 points in column widths up to 11.7 inches at an electronic speed of up to 6,000 characters per second or up to 1800 lines a minute.

Then according to your needs you can add:

Line Drawings

VideoComp can scan and write clear sharp line art in correct size and position with text.

Microfilm

Any page produced by VideoComp can also be reduced and brought out directly on 35 or 70mm microfilm for micropublishing or other requirements.

Image Rotation

VideoComp can write at 90°, 180°, 270° and 360° to handle your individual microfilm or publishing problems.

Disc Storage

For faster retrieval of fonts, frequently used special characters, numbers, symbols, and line drawings.

There's also full page composition (rather than line-by-line) for faster output, larger core storage, and many others.

And if you don't happen to have an option you need, you can bet we're probably working on it.



modular pub

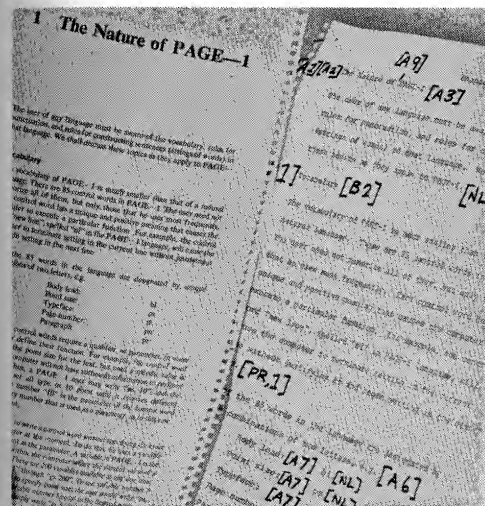
stem

Proven software

Page-1

(for **PAge GEnerator**)

VideoComp's industry proven composition software lets you start with an original manuscript and tell your computer (either Spectra 70 or IBM 360) exactly how to handle all the aspects of page composition.



VideoText

VideoText automatically converts data on tapes originally produced for a high speed printer into graphic arts quality output. By the addition of simple controls, you can add boldface heads, subheads, text in upper and lower case, even footnotes, if you need them.

Autoform

Lets you pre-format data on a high speed printer and input directly into a VideoComp.

No matter which RCA software package you use, all the time consuming mechanical and photographic processes conventionally used to prepare information for publication are eliminated.

How a VideoComp system works

Each character is stored in a VideoComp's high speed memory where it can be retrieved in microseconds. Multiple type fonts can be stored at the same time.

To extract any character, we have nothing to move but electrons because high speed memory holds the information that represents the shape of each letter form. As each character is needed to set in text, it is pulled from memory and used to control the beam of a high resolution cathode ray tube.

Because characters are written electronically, type can be expanded, compressed, obliqued, (italicized) and reproduced in virtually any size, anywhere. You can set characters from 4 point size to 96 point.



Roman

TYPOgraphy

expanded

TYPOgraphy

condensed

TYPOgraphy

or oblique

TYPOgraphy

As the characters are written, they are directed through a precision lens where they expose sensitized film or paper.

In this way full pages are composed character by character, complete with headlines, rules, footnotes, folio numbers—virtually everything that's needed.

Of course, if we can digitize and store the information needed to make a character, we can digitize and store almost any graphic image—even line drawings so text and illustrations are set simultaneously.

The Visible Word

The English-speaking world communicates through some 1500 typefaces that have been refined to make the printed word an aesthetically pleasing and efficient means of communication.

Until now, though, people who dealt with computers had to be content with their less extensive repertoire—one typeface.

There is no such restriction on VideoComp. In fact, the selection of letter forms you can have is theoretically limitless.

On a practical basis, however, you don't need a limitless number of typefaces. RCA has developed a range of alphabets—called VideoFont typefaces—to suit virtually any kind of composition. And more are being developed all the time.

Each basic VideoFont typeface consists of 80 characters: capitals, lower case, rules, punctuation, points, and symbols. Options for VideoFonts allow you to include signs, symbols, and special characters.



The Visible Image

The power of words is limited by the ability of the mind to construct graphic images. Therefore, the VideoComp has been designed with the capability to reproduce any graphic image—from type characters to line drawings, to logotypes.

VideoComp can "write" complex high quality line drawings as large as 7" × 9" in less than seven seconds. For fractional portions of a page, the time is even less.

Here's how. Original artwork is photographed to produce a 35mm negative that is electronically scanned at up to 450 strokes per inch by the VideoComp's cathode ray tube (used now as a flying spot scanner). The scanned information is entered into magnetic storage, either tape or disc.

And because drawings are scanned electronically, every detail is produced sharp and clear on the finished output.

Once stored, all your line drawings are available in seconds—tomorrow or a year from tomorrow—with no loss in quality.

This ends bulky files, loose copies and frantic searches. When you need to pull one—or a hundred drawings from storage, you simply use your computer for instant retrieval.

You can update and replace any drawings at any time without disturbing files or changing sequence.

You can even output your drawings—with or without text directly onto microfilm—and set up complete documentation data centers in your field offices.

The New Composition

No computer based composition system would be worth its salt without composition software. And we have it.

It's an easy to use, but powerful computer language called PAGE-1 (for PAGE GEnerator) that transforms raw copy into full page composition by computer.

Our language allows graphic arts personnel unskilled in computer programming—and programmers with just a rudimentary grasp of typesetting—to tell RCA Spectra 70 or IBM 360 computers exactly how to handle all aspects of composition.

You use a system of simple two-character control words to define format, type styles, and sizes, justification, hyphenation, pagination, footnotes and captions—in short, everything.

The input to the computer consists of a magnetic tape or paper tape containing the text to be set and the PAGE-1 statements added by the copy editor.

This versatile, flexible, language has the same dramatic effect upon computerized typesetting as Fortran and Cobol have had on science and business data processing.

And for the less complex composition tasks, you can use either VideoText or Autoform programs.

Flexible output to match your publishing needs

No other electronic typesetting system matches the VideoComp's choice of output media.

Copy can be produced:

On rapid access photo paper for proofreading or mechanical paste-up.

Same size on film for plate-making.

Directly onto special offset plates that let you go right to press for fast reproduction of up to 2,000 copies.

Or, reduced and brought out directly onto 35mm.

VideoComp also accepts 35, 70, 100, 150, 250 and 310mm film—or photopaper so you can fit the output to the size of the job—and save on supplies.

VideoComp 800 Series

General Specifications Performance

Line width up to 70 picas (11.7 inches)

Character Size 4 to 96 points (in five size ranges) -
1/18 to 1 1/3 inches

Cut film or paper length up to 2 feet

Roll film cassette to cassette - up to 400 feet

Resolution up to 1800 strokes per inch

Writing Speed up to 6000 characters a second
(depending on point size, line length, and type face)

Paper/Film Advance Speed up to 40 feet per
minute

Leading Distance 1/32 point to end of film

Horizontal Spacing Unit (HSU) 1/50 point

Kerning Capability up to 8,000 Horizontal Spacing
Units.

Input industry-standard nine-level magnetic tape
recorded at 800 bpi, containing text and control
data.

Output composed text up to 70 picas wide by any
usable length formed line-by-line.

70/800 System Basic Hardware

1600 Processor with 32K bytes memory or optional
65K bytes.

70/432-1 Magnetic tape unit (2 drives)

70/800 Photocopy Unit

70/800 System Modular Features

Full-face writing To compose output on a
page-by-page basis prior to moving transport. Adds
speed and flexibility to page composition.

Secondary 35mm Lens For outputting onto 35mm
film at nominal 1/8th size. Required for
drawing-scan enhancement.

Movable-Head Disc Storage Provides
random-access storage and retrieval of fonts,
logotypes, forms and system programs.

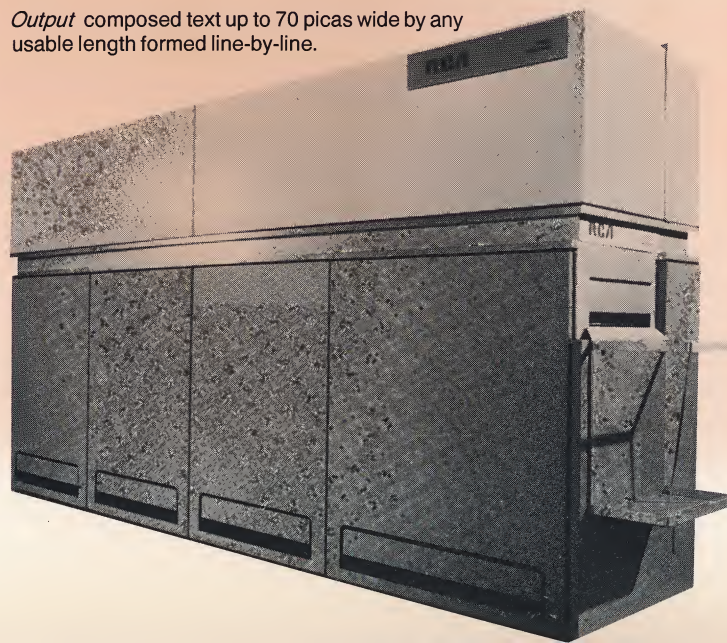
Writing Orientation Rotation Permits rotation of
writing with respect to film/paper transport
direction in 90 degree increments.

Drawing Writing Permits system to write drawings
in true size, or microfilm in response to digitized
drawing stroking data.

Drawing Scanning Enables system to scan and
digitize line drawings from 35mm microfilm and to
store data in compacted form on magnetic
tape.

Data Set Input Allows system to accept input bit
serially from remote computers via 1 to 8 data sets,
and/or local input.

Expansion Rack Provides mounting space for
additional power or control electronics.





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2-DOOR MODEL BODIES

COWL & WINDSHIELD	ROOF & BACK WINDOW	REAR QUARTER
2-DOOR SEDAN		
1 Cowl panel, upper, 1969	16 Roof panel	29 Outer panel, 1969
1 -1970	17 Rail, side outer	29 -1970
2 side lower	18 -inner	extn, rear at lamp, 69 Corsair
3 vent duct, side	19 Rain gutter	Hawk
4 Hinge pillar	20 chrome cover	-70 Corsair
5 reinforcement to rocker	Back window installation kit	-Hawk
brace to duct	glass, clear	Gutter, trunk side, 1969
rain gutter exc	-tinted	-1970
6 -Corsair	-B3441, clear	31 Lock pillar
Ventilator grill	-tinted	32 Inner panel, upper
7 Windshield frame, header	moulding reveal, upper	33 -lower, reg. mtg
glass installation kit	-lower	34 Wheelhouse assy, right
glass, clear	-side	34 -left
-tinted	2-DOOR HAWK HARD TOP	35 outer section only
-W661 clear	21 Roof panel	Moulding, wheel opng, 1969
-tinted	22 Rail, side outer	-1970
8 Moulding, reveal, upper	23 -inner	side, 1969 Hawk
9 -lower R-L	26 Rail gutter	-1970 Hawk
10 -side	25 chrome cover	peak, 1969 Corsair
garnish, upper	Weatherstrip over door & qtr	belt at roof line, exc.
-side	retainer	-69 Corsair
Wiper arm, 1969	Cover, fabric, 1969	rear 1 69 Hawk, upper
-1970	-1970	-lower
blade, 1969	retainer	-69 Hawk, above lamp
-1970	Moulding, inside side	38 window reveal, front
Door, glove compt, 69 exp	Back window installation kit	40 -upper
-Hawk	glass, clear	bead & weatherstrip at belt
-70	-tinted	41 Name plate, Corsair
-Corsair	-B3475, clear	-Hawk
Mirror, inside	-tinted	Glass, clear
support, exc.	moulding, reveal, upper	-tinted
-Corsair	-lower R-L	Q3480-1, clear
Visor bracket	-side	-tinted
2-DOOR HARD TOP	-garnish, upper R-L	sash channel, lower
SEE 2-DOOR SEDAN EXC.	under	-front
4 Hinge pillar	lower	regulator, manual
6 rain gutter		-electric
w/strip retainer, Hawk		-motor
Spectra		
finish mldg, 69 w/roof cover		
Glass, clear		
-tinted		
-W660, clear		
-tinted		
8 Moulding, reveal, upper		
10 -side		
garnish, upper		
-side		
Mirror support, Hawk		
Spectra		
CONVERTIBLE		
SEE 2-DOOR SEDAN EXC.		
4 Hinge pillar		
weatherstrip, 1969		
-1970		
-retainer		
7 Windshield frame, header		
glass, clear		
-tinted		
-W660, clear		
-tinted		
11 Moulding, header		
pillar finish, 1969		
-1970		
12 reveal, upper		
13 -lower R-L		
14 -side		
15 garnish, upper		
-side		
Mirror support		
Visor bracket		
# After fender is removed.		
\$ After cowl side panel is removed.		
\$ Removed.		
† After cowl side panel is removed and cut in windshield opening.		
‡ After roof panel is removed.		

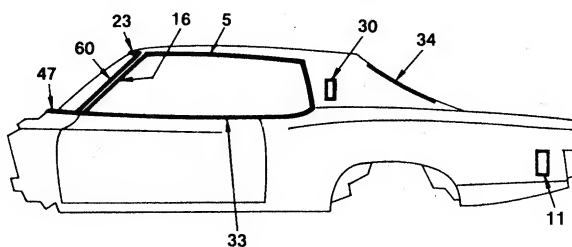


FIG. Y - MOULDING - 1970 SPECTRA 2-DOOR HARD TOP

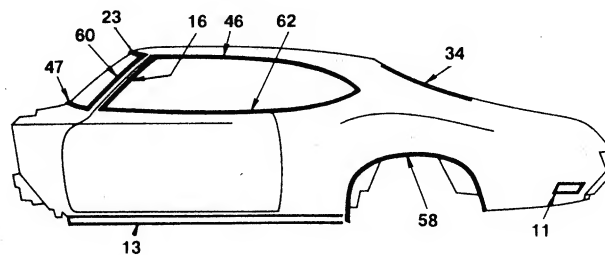


FIG. Z - MOULDING - 1970 CORSAIR 2-DOOR HARD TOP

RCA VideoComp 800 series . . . the paper tiger with teeth.

This is a 20 second commercial — not on television, but about television — and your publishing problems.

We found that Gutenberg's movable type just doesn't move fast enough today and that the current breed of printers don't make computers graphic communicators.

So we combined RCA computer and television know-how to produce words and graphics faster and better.

The result: the VideoComp 800 electronic composition system — RCA's most precise (and most expensive) television set.

VideoComp takes computer data that nobody wants to read and makes it information — fully composed information, with text and graphics in place, ready for publication.

For instance this page — from tiger to type to logotype — was produced electronically by VideoComp in 20 seconds.

The New Composition

A powerful, proven computer composition language called PAGE-1 (for PAGE GEneration) lets you instruct both RCA Spectra 70 and IBM 360 computer systems in all aspects of composition.

The Visible Word

VideoComp can set type in a virtually unlimited variety of typefaces at full graphic arts quality at rates of up to 6000 characters a second and in any size from this (4 point) to this (96 point) **I** And because we only move electrons, VideoComp can set anything from ancient Hebrew to mathematical symbols or, for that matter, any black and white graphic.

The Visible Image

VideoComp not only sets text but it "writes" line drawings too, line drawings that look just as good as the original.

A full page drawing can be written in seven seconds — alone or positioned with text. And you can get the quality of this tiger from pencil drawings. Think of it. No more endless illustration files. Just store illustrations on magnetic tape where they're easy to maintain and easy to call up for reproduction.

The Bite-Sized Image

By simply swinging a new lens into position and changing film, VideoComp lets you switch from full sized output to 1/8th size images on 35mm microfilm for information retrieval or micropublishing.

And we have software that will simulate printer output using high quality monospaced fonts directly from your printer tapes.

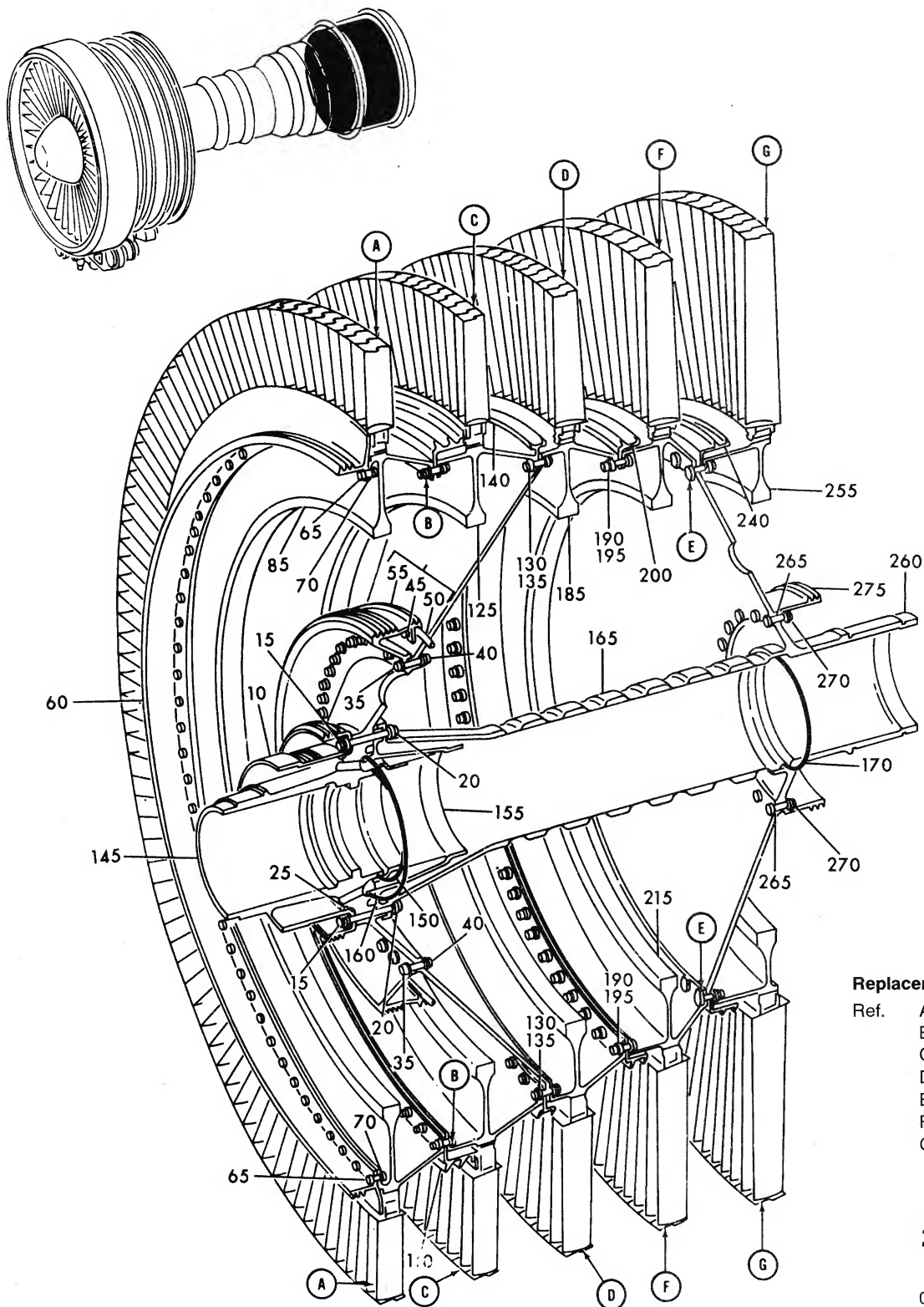
Or you can modify the tapes to change fonts, add bold face type, and write in line drawings and logotypes. You get the same information only it looks better . . . reads better . . . and it's ready for printing.

RCA
Graphic
Systems

U. S. Highway 130
Dayton
New Jersey 08810

Afterburner Detail — Catagory HJ

All maintenance and repair operations should be performed according to specifications contained in RN/18,Manual 14,Sections IV, V, VI, VII.



Replacement Part Numbers

Ref.	A - TB49118
	B - YB50002
	C - SB71867
	D - RB61239
	E - OB54621
	F - LB41228
	G - NB32158

2

CF-6 020aA

Note:

All replacement units must be ordered according to MIL Specification M/16225, Section VIII, effective 1/1/70.
REFER to Drawing No. CD-8115B for subassembly part order information.

RCA
Graphic
Systems

U. S. Highway 130
Dayton
New Jersey 08810

This page was composed electronically
on the RCA VideoComp
Electronic Composition System
in just 20 seconds from standard
nine-level magnetic tape input.

Computer Research Bureau A Division of Computer + Technology Information Inc.

